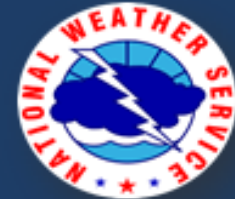




# USCG Sector Detroit Weather Briefing

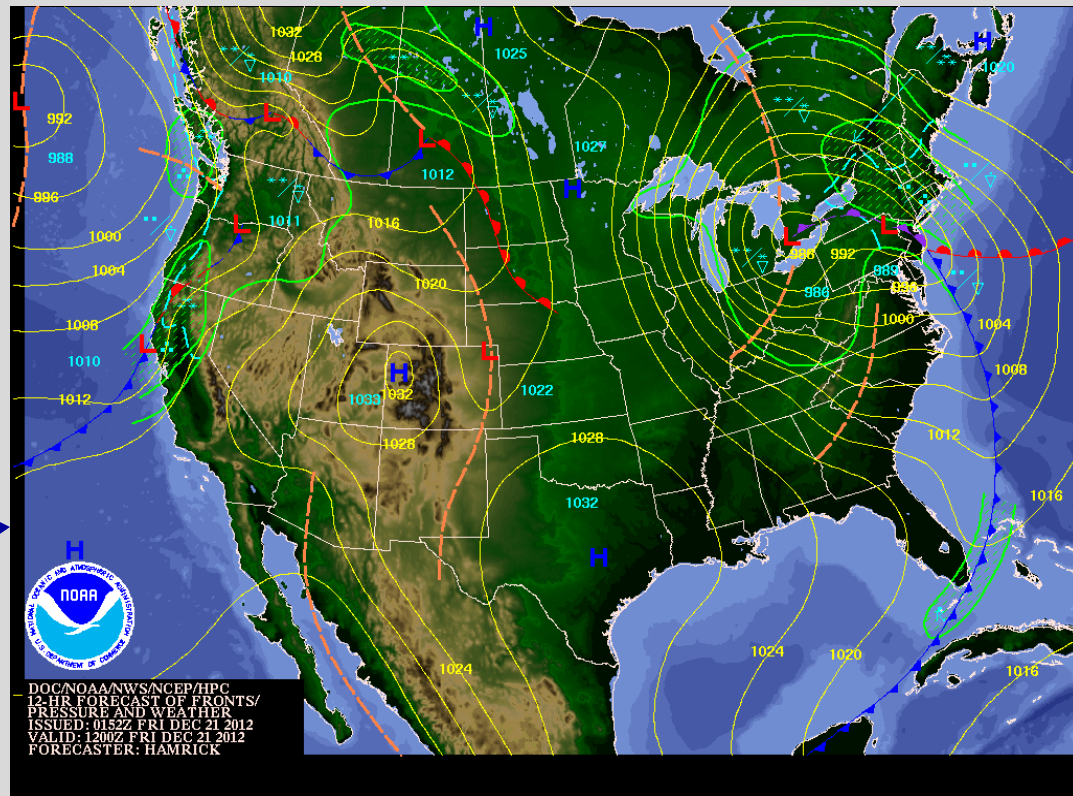
## December 21, 2012



For more detailed Great Lakes Wind and Wave forecasts...

<http://www.weather.gov/greatlakes>

Surface Weather Map  
Forecast valid at 7 am  
Friday December 21, 2012



## National Weather Service

<http://www.weather.gov/greatlakes>

<http://www.weather.gov/dtx>





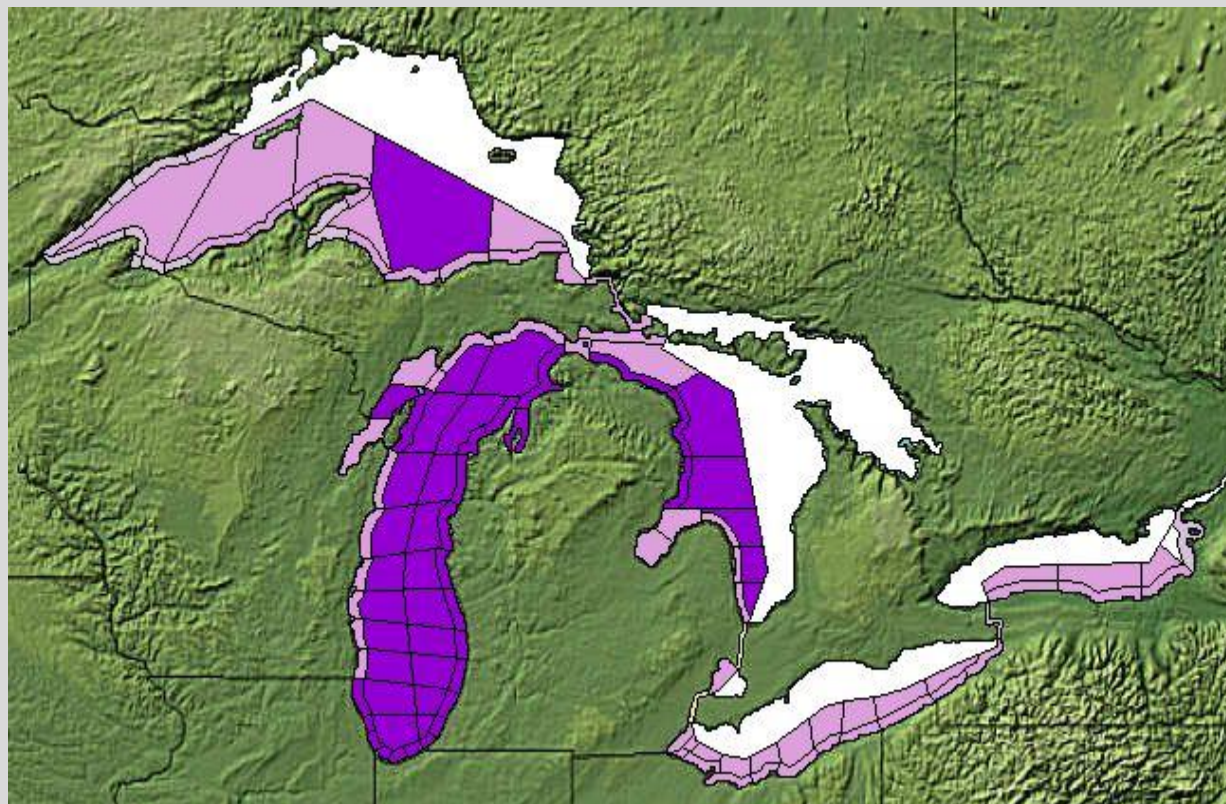
# Decision Support Briefing Summary



***Gale Warnings In Effect Lakes St. Clair,  
Erie and Portions of Lake Huron  
Today through Saturday Morning***

***Storm Warnings In Effect for  
Lake Michigan and portions of Lake Huron  
Today and Tonight***

***Widespread Sustained Winds >30 knots and Gusts exceeding 45 knots  
Significant Waves >20 feet with occasional Waves to 30 feet or greater***



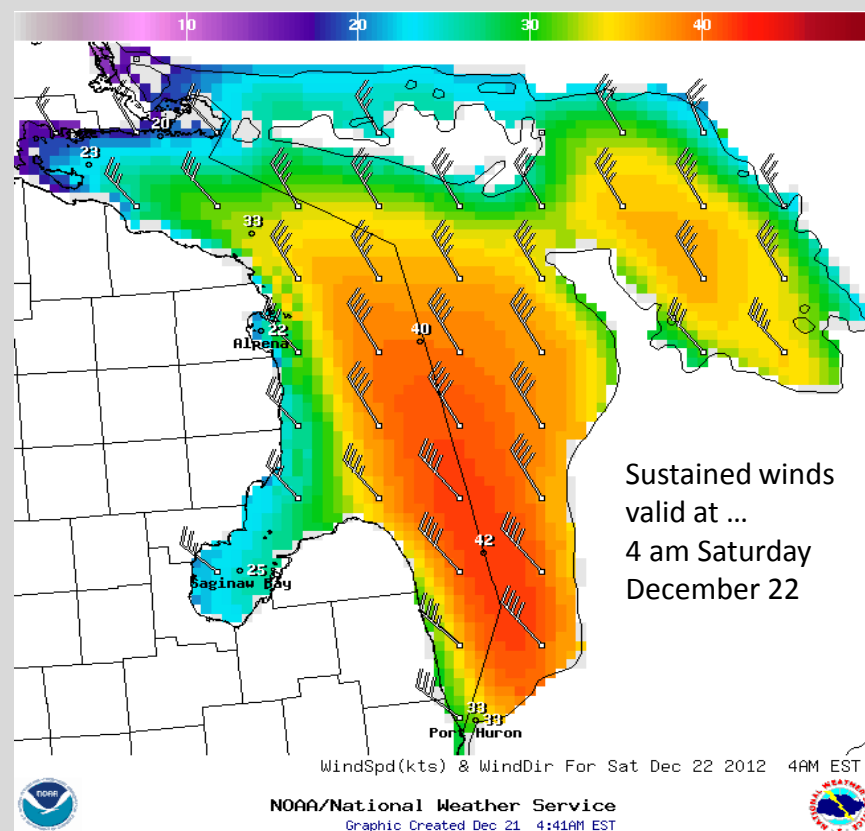
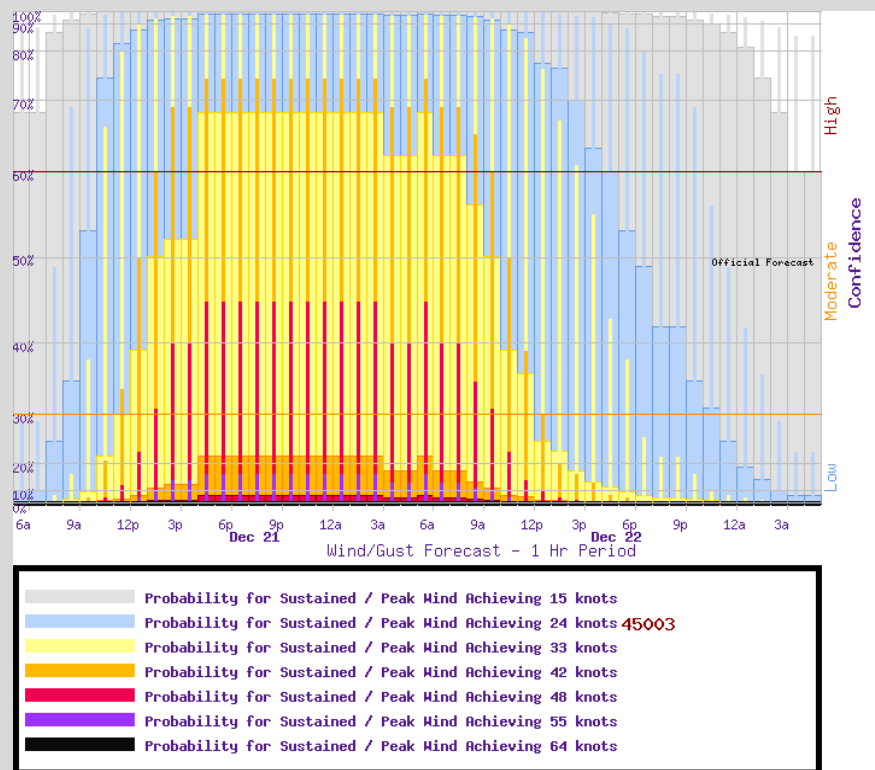


# Decision Support Briefing Summary



## Southern Lake Huron – through Tonight

- Strongest winds between 4 pm today and 4 am tonight.
- High probability of winds >42 knots
- 45 Percent probability of winds >48 knots





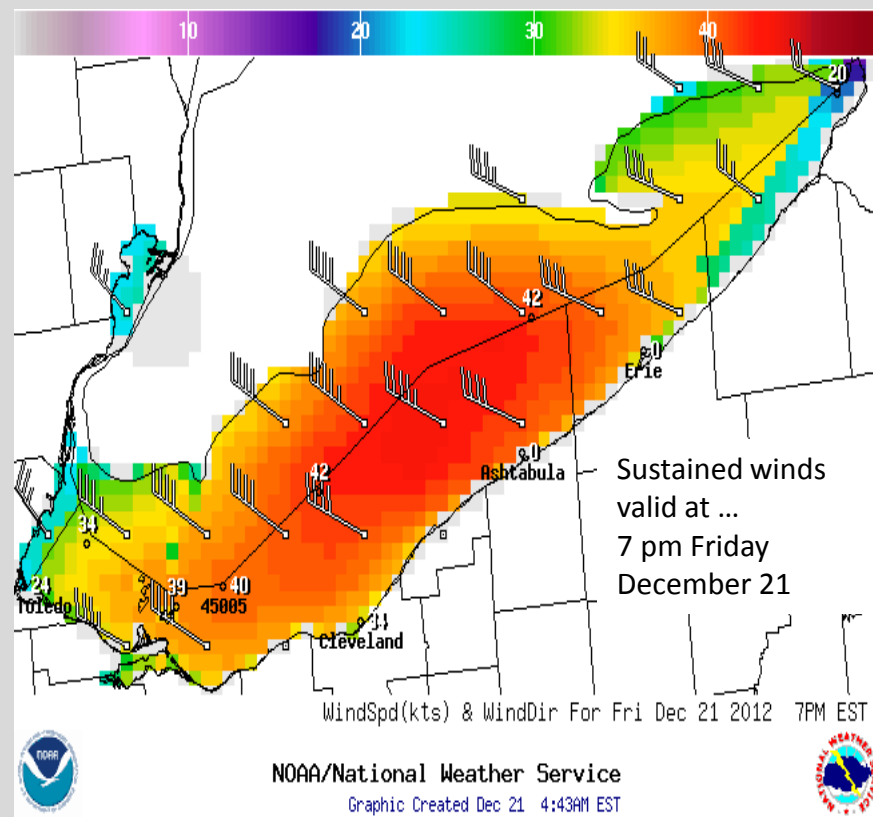
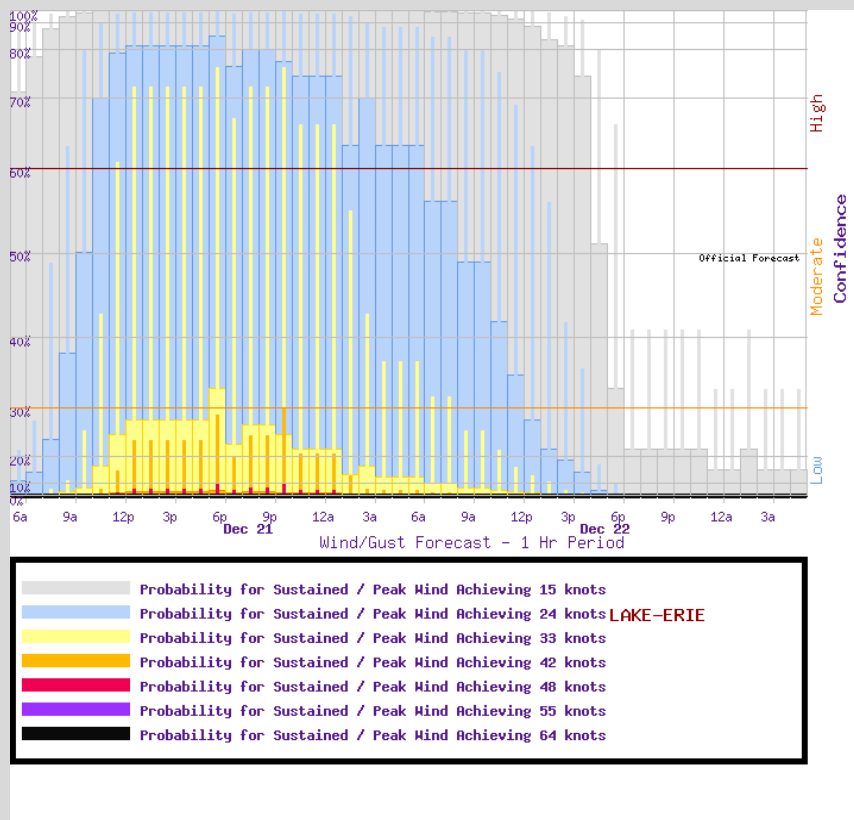


# Decision Support Briefing Summary



## Western Lake Erie and Lake St Clair

- Strongest winds between Noon and Midnight.
- High probability of winds >33 knots

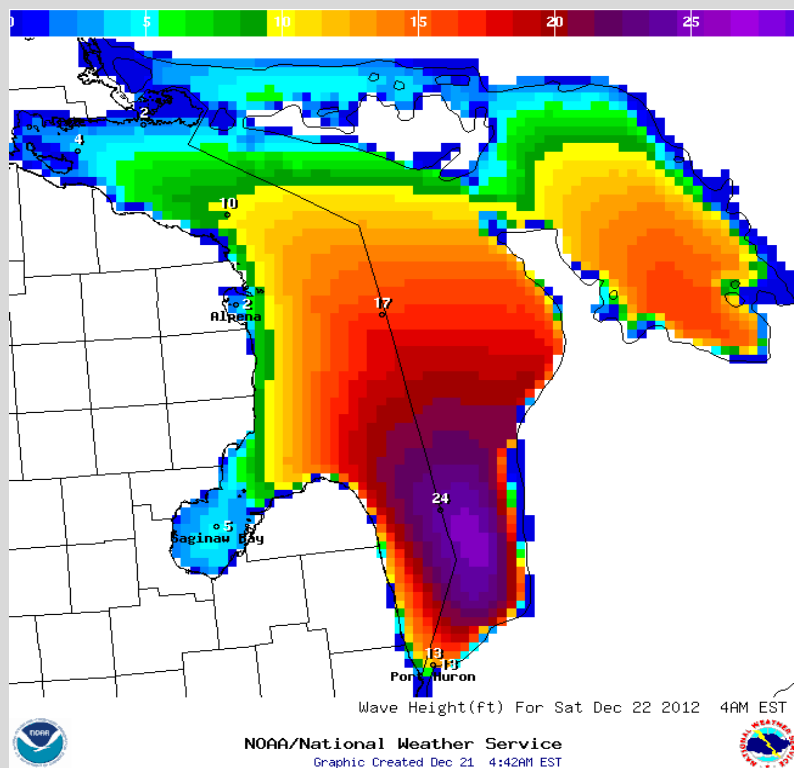




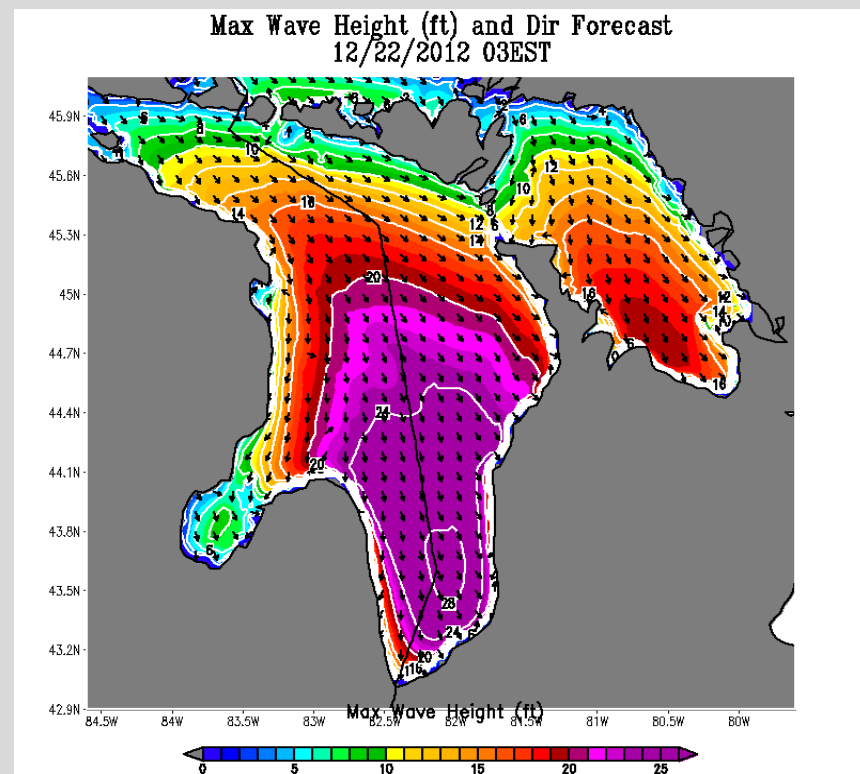
# Decision Support Briefing Summary



- Wave Direction from the North (Today and Saturday)
- Frequent waves in excess of 20 feet through Sat morning
- Occasional Waves of up to 28 ft in southern Lake Huron this afternoon and tonight



Significant Wave Heights valid at 4 am Saturday  
(20 to 25 feet)



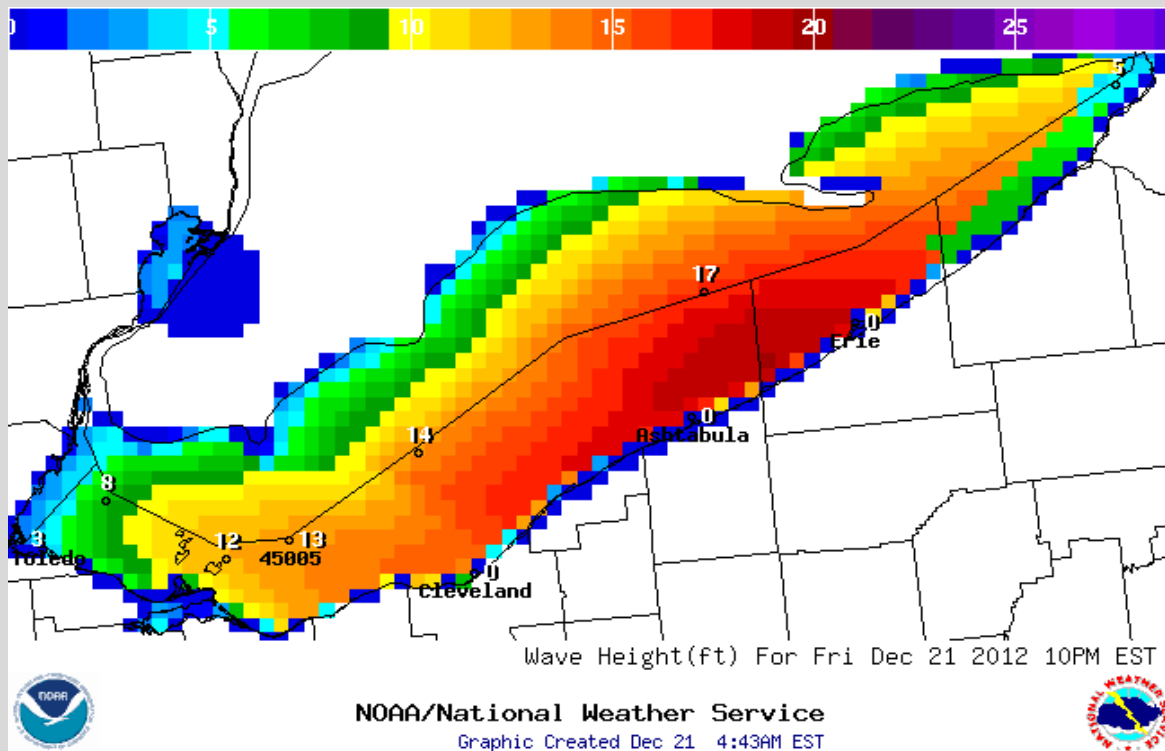
Maximum Wave Height valid at 3 am Saturday  
(up to 28 feet)



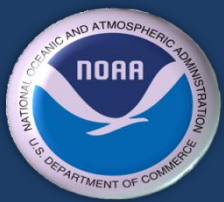
# Decision Support Briefing Summary



- Wave Direction from the West through Tonight
- Lower Wave Heights in Lake St Clair and the western basin of Lake Erie (mostly 4 to 15 feet)



Significant Wave Heights  
valid at 10 pm Friday



# Decision Support Briefing

## Key Points



- ❖ Strong Northwest winds will develop behind a departing cold front today. Widespread sustained winds of 30 knots with wind gusts to 45 knots. Gusts up to 55 knots across portions of the Lake Huron.
- ❖ Highest waves in longest fetch in southern Lake Huron Tonight and Tonight. Widespread waves in excess of 20 feet in most areas of southern Lake Huron... with occasional waves approaching 28 feet.
- ❖ Widely varying wave heights expected over Lake Erie Today and Tonight, ranging between 5 and 15 feet.
- ❖ Winds and Waves diminishing Saturday and Saturday night.



# Decision Support Briefing Resources



<http://weather.gov/greatlakes>

**For further information, contact NWS Forecast Office in Detroit/Pontiac at ...**

**248-625-4249**